

CLAIMS

WHAT IS CLAIMED IS:

1. A fitting for attaching an end of a duct section of relatively small cross-section to an arcuate surface of a duct section of relatively large cross-section,
5 comprising:
a generally cylindrical collar having a generally circular first end generally orthogonal to the collar axis, and a generally circular second end oblique to said axis at a predetermined angle; and
a body having an upper portion terminating in a generally circular end
10 inclined at said angle, said collar second end rotatably attached to said body upper portion end.

2. The fitting of claim 1, further comprising a skirt flaring downwardly from said body upper portion and terminating in a base, said skirt having generally
15 opposed first and second flanges terminating, respectively, in canted first and second lips, said base determined circumferentially by said lips and arch-shaped forward and rearward edges disposed between the lips.

3. The fitting of claim 2, wherein a damper is pivotally positioned within
20 the collar.

4. The fitting of claim 2, wherein said forward edge is arched higher than said rearward edge.

5. The fitting of claim 4, wherein when the fitting is attached to an arcuate surface of a relatively large cross-section duct section, the collar is rotatable so that it can be canted at any angle with respect to said duct section in a range from about 55 to about 90 degrees.

6. The fitting of claim 5, wherein said collar and body are each formed from sheet metal having a preselected thickness.

7. The fitting of claim 6, wherein said thickness is about 0.050-inch.

8. A fitting for attaching an end of a duct section of relatively small cross-section to an arcuate surface of a duct section of relatively large cross-section, comprising:

a generally cylindrical collar having a generally circular first end generally orthogonal to the collar axis, and a generally circular second end oblique to said axis at a predetermined angle;

a body having an upper portion terminating in a generally circular end inclined at said angle; and

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means for rotatably attaching said collar second end to said body upper portion end.

9. The fitting of claim 8, wherein said attaching means comprises an arc-shaped bead circumscribing said collar second end interlocked with an arc-shaped bead circumscribing said body upper portion end.